

ENF Environmental Notification Form

For Office Use Only
Executive Office of Environmental Affairs
 EOE No.: 14301
 MEPA Analyst: Anne Canaday
 Phone: 617-626-1035

The information requested on this form must be completed to begin MEPA Review in accordance with the provisions of the Massachusetts Environmental Policy Act, 301 CMR 11.00.

Project Name: Alteration of Coastal Bank (SE 80-1681)		
Street: 216 Cadman's Neck Road		
Municipality: Westport	Watershed: Buzzards Bay	
Universal Transverse Mercator Coordinates: 19: 4602903 N 327844 E	Latitude: 41 33' 31.7" Longitude: 71 03' 54.9"	
Estimated commencement date: N/A	Estimated completion date: unknown	
Approximate cost: \$ 80,000.00 +	Status of project design: 100 %complete	
Proponent: Mr. Martin Keller		
Street: 381 Conant Avenue		
Municipality: Weston	State: MA	Zip Code: 02493
Name of Contact Person From Whom Copies of this ENF May Be Obtained: John keegan		
Firm/Agency: SITEC, Inc.	Street: 449 Faunce Corner Road	
Municipality: Dartmouth	State: MA	Zip Code: 02747
Phone: 508 998 2125	Fax: 508 998 7554	E-mail: jkeegan@sitec-engineering.com

- Does this project meet or exceed a mandatory EIR threshold (see 301 CMR 11.03)?
 Yes No
- Has this project been filed with MEPA before?
 Yes (EOEA No. _____) No
- Has any project on this site been filed with MEPA before?
 Yes (EOEA No. _____) No
- Is this an Expanded ENF (see 301 CMR 11.05(7)) requesting:
- a Single EIR? (see 301 CMR 11.06(8)) Yes No
 - a Special Review Procedure? (see 301CMR 11.09) Yes No
 - a Waiver of mandatory EIR? (see 301 CMR 11.11) Yes No
 - a Phase I Waiver? (see 301 CMR 11.11) Yes No

Identify any financial assistance or land transfer from an agency of the Commonwealth, including the agency name and the amount of funding or land area (in acres): N/A

Are you requesting coordinated review with any other federal, state, regional, or local agency?
 Yes (Specify _____) No

List Local or Federal Permits and Approvals:
Superseding Order of Conditions MA DEP

Which ENF or EIR review threshold(s) does the project meet or exceed (see 301 CMR 11.03):
 301 CMR 11.03 (3) (b) 1. a. : alteration of coastal bank

- | | | |
|---------------------------------|---------------------------------------|--|
| <input type="checkbox"/> Land | <input type="checkbox"/> Rare Species | <input checked="" type="checkbox"/> Wetlands, Waterways, & Tidelands |
| <input type="checkbox"/> Water | <input type="checkbox"/> Wastewater | <input type="checkbox"/> Transportation |
| <input type="checkbox"/> Energy | <input type="checkbox"/> Air | <input type="checkbox"/> Solid & Hazardous Waste |
| <input type="checkbox"/> ACEC | <input type="checkbox"/> Regulations | <input type="checkbox"/> Historical & Archaeological Resources |

Summary of Project Size & Environmental Impacts	Existing	Change	Total	State Permits & Approvals
LAND				<input type="checkbox"/> Order of Conditions <input checked="" type="checkbox"/> Superseding Order of Conditions <input type="checkbox"/> Chapter 91 License <input type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> MHD or MDC Access Permit <input type="checkbox"/> Water Management Act Permit <input type="checkbox"/> New Source Approval <input type="checkbox"/> DEP or MWRA Sewer Connection/ Extension Permit <input type="checkbox"/> Other Permits (including Legislative Approvals) – Specify:
Total site acreage	0.7			
New acres of land altered		0		
Acres of impervious area	0.07	0	0.07	
Square feet of new bordering vegetated wetlands alteration		N/A		
Square feet of new other wetland alteration		162 L F Coastal Bank		
Acres of new non-water dependent use of tidelands or waterways		N/A		
STRUCTURES				
Gross square footage	N/A			
Number of housing units	N/A			
Maximum height (in feet)	N/A			
TRANSPORTATION				
Vehicle trips per day	N/A			
Parking spaces	N/A			
WATER/WASTEWATER				
Gallons/day (GPD) of water use	N/A			
GPD water withdrawal	N/A			
GPD wastewater generation/ treatment	N/A			
Length of water/sewer mains (in miles)	N/A			

CONSERVATION LAND: Will the project involve the conversion of public parkland or other Article 97 public natural resources to any purpose not in accordance with Article 97?

- Yes (Specify _____) No

Will it involve the release of any conservation restriction, preservation restriction, agricultural preservation restriction, or watershed preservation restriction?

Yes (Specify _____) No

RARE SPECIES: Does the project site include Estimated Habitat of Rare Species, Vernal Pools, Priority Sites of Rare Species, or Exemplary Natural Communities?

Yes (Specify _____) No

HISTORICAL /ARCHAEOLOGICAL RESOURCES: Does the project site include any structure, site or district listed in the State Register of Historic Place or the inventory of Historic and Archaeological Assets of the Commonwealth?

Yes (Specify _____) No

If yes, does the project involve any demolition or destruction of any listed or inventoried historic or archaeological resources?

Yes (Specify _____) No

AREAS OF CRITICAL ENVIRONMENTAL CONCERN: Is the project in or adjacent to an Area of Critical Environmental Concern?

Yes (Specify _____) No

PROJECT DESCRIPTION: The project description should include (a) a description of the project site, (b) a description of both on-site and off-site alternatives and the impacts associated with each alternative, and (c) potential on-site and off-site mitigation measures for each alternative (*You may attach one additional page, if necessary.*)

Proposed Project

The project is an after the fact filing for the construction of 162 linear feet of a stepped granite block retaining wall and associated plantings which is located on a Coastal Bank (SE 80-1681). The Westport Conservation Commission denied the project and the proponent is now seeking a Superceding Order of Conditions (SOC) from the MA DEP. Prior to issuing a SOC, an Environmental Notification Form (ENF) must be filed with The Secretary of Energy and Environmental Affairs pursuant to 301 CMR 11.03 (3)(b) 1. a.

Project Site

The property is a .7-acre single-family house lot located at the southwest corner of Cadman Neck in the upper East Branch of the Westport Port River. The lot was created prior to 1952 and was purchased by the applicant in 2005. A single-family dwelling, garage, paved driveway and walks and a large grassed yard are located on the lot. Additionally, a wooden dock, constructed under Waterways License No. 11728, extends from the west property line. A low stone-wall (2-2.5 feet high, the lower wall), landward of the coastal beach, and a vertical stonewall along the east property line, were present on the property when the applicant purchased the home.

There are two coastal banks on the property (the upper and the lower). The existing coastal banks are not subject to vigorous wave action and serve as the functions of storm damage protection and flood control. They are not sediment sources.

Alternatives Analysis

There are no off-site alternatives for the proposed project. Peter S. Rosen, Ph.D., Coastal Geologist prepared an Alternatives Analysis. Eleven alternatives were evaluated and are listed below:

1. No Action.
2. Dune nourishment and planting.

3. Riprap/protect toe of upper wall.
4. Promote fringe marsh growth.
5. Bushy plantings between lower and upper wall.
6. Bushy plantings above upper wall.
7. Pave area between walls in stone.
8. Revet upper slope to elevation 17 ft.
9. Revet upper slope to create a 6ft width spray apron.
10. Remove upper wall and replace with sloping revetment.
11. Remove upper wall and replace with plantings.

Each of the above alternatives were evaluated and discussed in detail (see Alternative Analysis section). The alternative that was most appropriate and that would best protect wetlands interests was identified to be a combination of option 2. Dune nourishment and planting, 4. Promote fringe marsh growth, 5. Planting between walls and 6. Plantings above walls. The final recommended mitigative measures were:

- a. that the existing bank be vegetated above and at the toe of the upper wall with bushy vegetation,
- b. that an on going program of beach nourishment of the western beach with compatible sand in the future for the purpose of providing a small input of sand to the littoral system and to protect the ends of the two walls,
- c. that the western end of the fringe marsh be demarcated with wood posts 3-6 feet from the end of vegetation to establish a no-disturb zone.

The project as built will provide a more stable barrier to minimize storm damage and to promote flood control. The proposed plantings will be dense salt tolerant species suited for the environment. Protection for the toe of the banks will be provided through the use of natural transport of sand by the littoral process and by preserving and promoting the development of the existing salt marsh, which provides some protection for the lower wall.